

## ARBITER Polar 65

# ARBITER Polar 65 Gaming Keyboard User Manual

Model: Polar 65

## 1. INTRODUCTION

This manual provides essential information for the setup, operation, and maintenance of your ARBITER Polar 65 CNC Magnetic Gaming Keyboard. Please read this manual thoroughly to ensure proper use and to maximize your keyboard's performance.

## 2. PACKAGE CONTENTS

Verify that all items listed below are present in your package:

- ARBITER Polar 65 Gaming Keyboard
- 1.8m Braided USB-A to USB-C Cable
- Keycap Puller
- Switch Puller



Image: The ARBITER Polar 65 keyboard, typically accompanied by its USB-C cable, keycap puller, and switch puller.

### 3. SETUP INSTRUCTIONS

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1. **Connect the Keyboard:** Locate the USB-C port on the ARBITER Polar 65 keyboard. Connect one end of the provided 1.8m braided USB-A to USB-C cable to the keyboard and the other end to an available USB-A port on your computer.
2. **Driver Installation:** The keyboard is plug-and-play. Your operating system should automatically detect and install the necessary drivers. No additional software installation is required for basic functionality.
3. **Web App Access:** For advanced customization, including RGB lighting modes and key sensitivity adjustments, access the ARBITER web application via your web browser. Refer to the official ARBITER website for the specific URL.

### 4. OPERATING INSTRUCTIONS

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#### 4.1 Fuji Hall Effect Switches

The ARBITER Polar 65 features Fuji Hall Effect Switches, offering precise and customizable actuation. These are 36g linear switches with an actuation range from 0.1mm to 3.8mm, providing 20 sensitivity levels.



Image: An exploded view of a Fuji Hall Effect Switch, illustrating its components and the adjustable actuation range from 0.1mm to 3.8mm across 20 sensitivity levels.

To adjust the sensitivity:

- Access the ARBITER web application.
- Navigate to the key sensitivity settings.
- Select individual keys or groups of keys to modify their actuation point between 0.1mm and 3.8mm.

#### 4.2 Rapid Trigger Capabilities

The keyboard supports continuous rapid trigger functionality with less than 1ms latency. This feature

allows keys to react instantly upon release, enabling faster repeated inputs compared to traditional keyboards with fixed actuation and release points.



Image: A visual comparison demonstrating the adjustable release and actuation points of the Polar 65's rapid trigger functionality versus the fixed points of a regular keyboard.

To configure Rapid Trigger:

- Open the ARBITER web application.
- Locate the Rapid Trigger settings.
- Adjust the sensitivity and behavior of the rapid trigger feature according to your preference.

### 4.3 RGB Lighting Customization

The ARBITER Polar 65 features vibrant RGB lighting with 16 preset lighting modes. Further personalization is available through the web application.

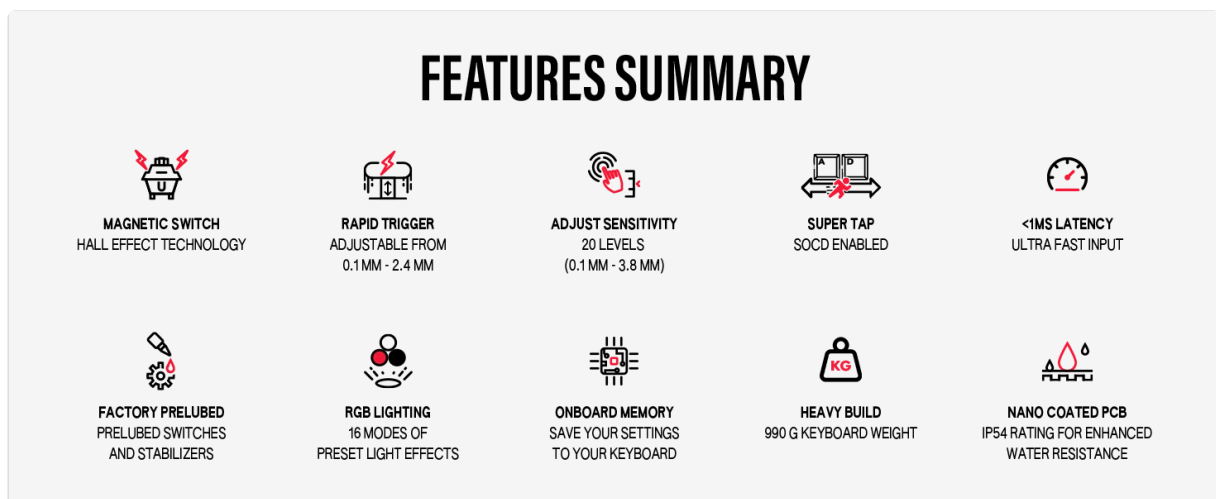


Image: The ARBITER Polar 65 keyboard displaying various RGB lighting effects, highlighting the 16 vibrant modes and web app customization options.

To change RGB lighting modes or customize effects:

- Use the designated function key combinations on the keyboard (refer to the keyboard's keycap legends for specific shortcuts).
- For advanced customization, including per-key lighting and custom effects, use the ARBITER web application.

### 4.4 Dual Silicone Dampening and Stable Keypresses

The keyboard incorporates dual silicone dampening layers to reduce acoustic resonance and provide a

quieter, more comfortable typing experience. The spacebar features a screw-in stabilizer, and additional plate-mounted stabilizers are used for other larger keys to minimize rattling and ensure stable keypresses.

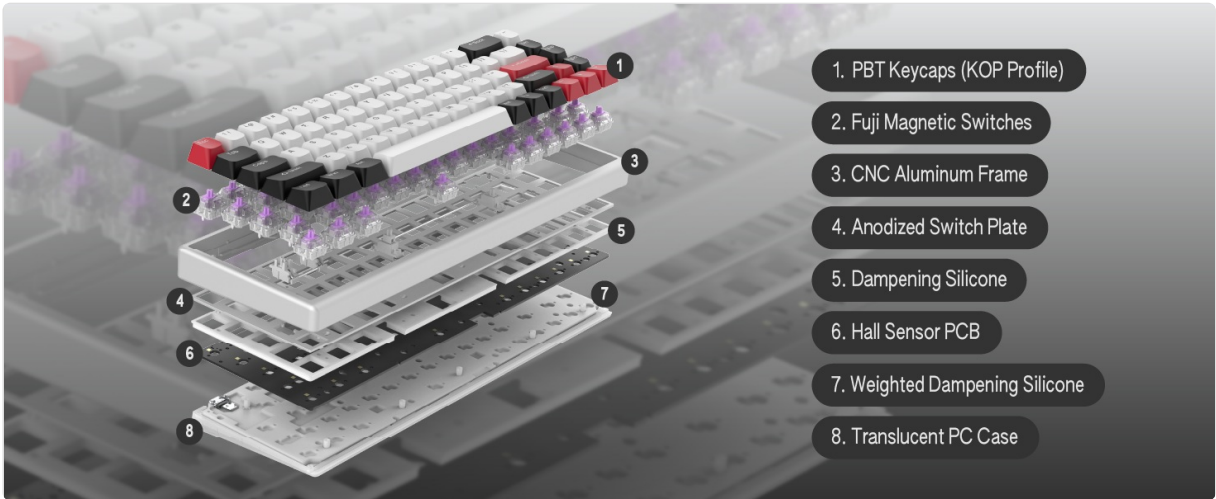


Image: An illustration of the ARBITER Polar 65 keyboard's internal structure, highlighting the dual silicone dampening layers and the screw-in stabilizer on the spacebar for enhanced typing comfort and stability.

## 5. MAINTENANCE

Proper maintenance ensures the longevity and performance of your ARBITER Polar 65 keyboard.

- **Cleaning Keycaps:** Use the provided keycap puller to carefully remove keycaps. Clean them with a soft, damp cloth and mild soap if necessary. Ensure keycaps are completely dry before reattaching.
- **Cleaning the Frame:** Wipe the CNC aluminum frame with a soft, dry, lint-free cloth. Avoid abrasive cleaners or solvents.
- **Switch Maintenance:** The Fuji Hall Effect switches are hot-swappable. If a switch needs replacement, use the provided switch puller to carefully remove it and insert a new compatible switch.
- **Cable Care:** Avoid sharp bends or excessive pulling on the USB-C cable to prevent damage.

## 6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Keyboard not responding	Loose cable connection, faulty USB port, driver issue.	<ul style="list-style-type: none"><li>◦ Ensure the USB-C cable is securely connected to both the keyboard and the computer.</li><li>◦ Try a different USB port on your computer.</li><li>◦ Restart your computer.</li></ul>
RGB lighting not working	Lighting mode off, software setting.	<ul style="list-style-type: none"><li>◦ Check keyboard function key combinations for lighting control.</li><li>◦ Verify settings in the ARBITER web application.</li></ul>

Problem	Possible Cause	Solution
Keys not registering or double-typing	Switch issue, sensitivity setting.	<ul style="list-style-type: none"><li>◦ Adjust key sensitivity in the ARBITER web application.</li><li>◦ If a specific switch is faulty, consider hot-swapping it with a new one.</li></ul>

## 7. SPECIFICATIONS




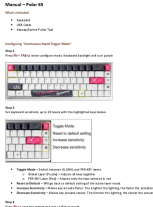


Feature	Detail
Model	Polar 65
Switches	Fuji Hall Effect Switches (36g linear)
Actuation Range	0.1mm to 3.8mm (20 sensitivity levels)
Rapid Trigger Latency	Less than 1ms
Frame Material	CNC Aluminum
Keycaps	Dual-Shot PBT Keycaps
RGB Lighting	16 vibrant modes, customizable via web app
Connectivity	USB-C (1.8m braided cable included)
Dampening	Dual Silicone Dampening
Stabilizers	Screw-in (spacebar), plate-mounted (other large keys)
Dimensions	14.06 x 7.01 x 2.13 inches
Item Weight	2.9 pounds

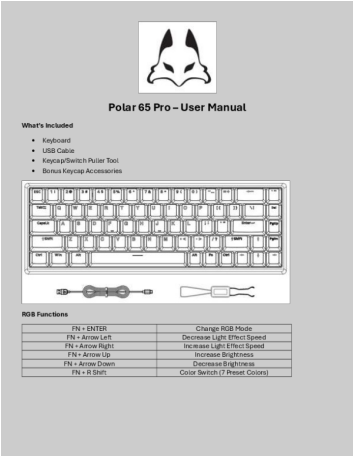
## 8. WARRANTY AND SUPPORT

ARBITER products are designed for reliability and performance. For warranty information and technical support, please refer to the official ARBITER website or contact their customer service directly. Keep your purchase receipt as proof of purchase for warranty claims.

Manufacturer: ARBITER

For further assistance, visit: [ARBITER Studio Store on Amazon](#)

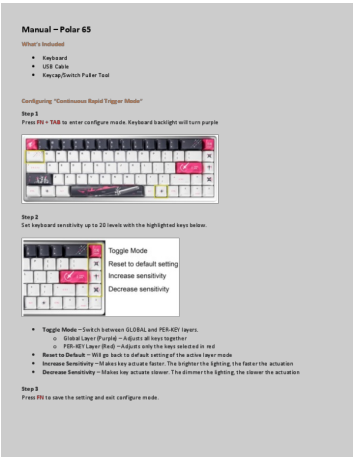
	<p><a href="#">Arbiter: Automated Review of Bio-AI Tools for Emerging Risk</a></p> <p>This document introduces Arbiter, an automated pipeline designed to analyze AI-enabled biological tools for misuse risks and potential benefits. It provides a scalable and balanced assessment framework for policymakers, detailing its methodology, pilot execution results, and future enhancements for biosecurity and AI safety.</p>
	<p><a href="#">Polar 75 Pro Keyboard User Manual</a></p> <p>User manual for the Polar 75 Pro keyboard, detailing its features, functions, and customization options.</p>
	<p><a href="#">EPOMAKER HE68 65% Hall Effect RGB Analog Keyboard Quick Start Guide</a></p> <p>This guide provides setup instructions, function key combinations, lighting controls, rapid trigger customization, and switch replacement procedures for the EPOMAKER HE68 65% Hall Effect RGB Analog Keyboard.</p>
	<p><a href="#">Arbiter Studio Polar 65 Keyboard Manual</a></p> <p>User manual for the Arbiter Studio Polar 65 Magnetic Gaming Keyboard, detailing setup, RGB functions, and key combination functions.</p>
	<p><a href="#">ASUS ROG Falchion NX 65% Wireless RGB Gaming Keyboard Quick Start Guide</a></p> <p>Get started quickly with the ASUS ROG Falchion NX 65% Wireless RGB Gaming Keyboard. This guide covers key indicators, media controls, macro recording, hardware reset, and compliance information.</p>
	<p><a href="#">Polar 65 Pro User Manual</a></p> <p>User manual for the Polar 65 Pro keyboard, detailing included accessories, RGB functions, key combination functions, onboard profile settings, and web app information.</p>



[Polar 65 Pro User Manual](#)

User manual for the Polar 65 Pro keyboard, detailing included accessories, RGB functions, key combination functions, onboard profile settings, and web app information.

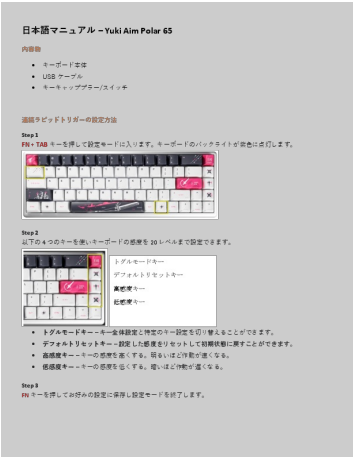
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[Arbiter Studio Polar 65 Keyboard Manual](#)

User manual for the Arbiter Studio Polar 65 Magnetic Gaming Keyboard, detailing setup, RGB functions, and key combination functions.

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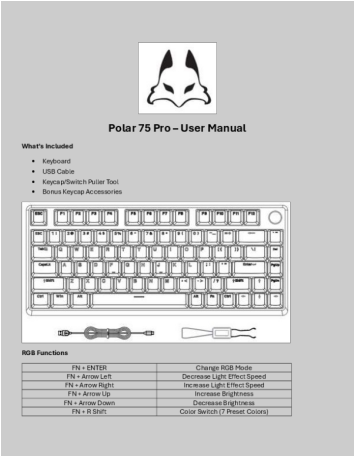
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Yuki Aim **Polar 65** USB / Step 1 FN TAB Step 2 4 20 Step 3 FN RGB FN Enter FN Arrow Left FN Arrow Right FN Arrow Up FN Arrow Down FN R Shift FN FN

1,2,3,4,5,6,7,8,9,0,-,= FN - FN FN FN FN P FN I FN O FN PgUp FN PgDn FN De...

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[Polar 75 Pro Keyboard User Manual](#)

User manual for the Polar 75 Pro keyboard, detailing its features, functions, and customization options.

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